

### **Abstract**

The inventive gas compressor (1) comprises  $n$  in series connected stages (C1, C2, C3, C4, C5), wherein  $n$  is equal to or greater than 3, each stage is followed by a cooler (R1, R2, R3, R4, R5), at least two coolers have different compressed gas pressure drops, the cooler exhibiting a smaller pressure drop being mounted upstream from the cooler exhibiting a higher pressure drop.